

Active Cyclodextrin Glucanotransferase (Powder)

Cat. No. DIS-2020 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cyclodextrin Glucanotransferase was a powdered solid.
Description	Cyclodextrin glycosyl transferase (also Cyclodextrin glucosyltransferase or Cyclodextrin glucanotransferase) or CGTase for short (EC 2.4.1.19) is a bacterial enzyme belonging to the same family of the α-amylase specifically known as glycosyl-hydrolase family 13. This peculiar enzyme is capable of catalyzing more than one reaction with the most important being the synthesis of non-reducing cyclic dextrans known as cyclodextrins starting from starch, amylose, and other polysaccharides. CGTase is an enzyme common to many bacterial species, in particular of the <i>Bacillus</i> genus (e.g. <i>B. circulans</i>, <i>B. macerans</i> and <i>B. stearothermophilus</i>), as well as to some archaea, but it is not known to be present in any other species.
Form	Light Yellow Powder. Typical-fermentation odor.
Bio-activity	20,000 U/g
Endotoxin	Arsenic: 1.0 mg/kg Total Bacteria Count (cfu/ml): 249 Total coliform (MPN/100g): 26 Salmonella (25ml): Negative The test sample is qualified.
Optimum pH	Ideal pH 4.0 to 5.5
Quality Control Test	Laboratory of the QC
Stability	20~60°C

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Storage

Cool and dry place. Avoid direct exposure to sunlight or moisture. If stored at 25°C below, 6 months. If under the 4~10°C cold storage, shelf life is 2 years.

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